

ABSTRACT

An alternator includes: a rotor fixed to a shaft so as to rotate with the shaft; a stator disposed so as to surround the rotor, an alternating current being generated in the stator by a rotating magnetic field from the rotor; and a voltage control apparatus for adjusting magnitude of an output voltage of the alternating current generated in the stator, wherein: the voltage control apparatus includes: a grounded, electrically-conductive heat sink; and a control main body fixed to the heat sink, the control main body including an integrated circuit chip on which a circuit for controlling the output voltage is formed. As a result, parts are reduced in number, reducing manufacturing costs.